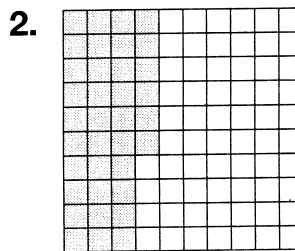
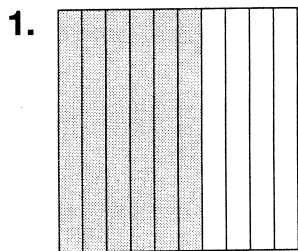


Name \_\_\_\_\_

# Decimals and Fractions

P 11-1

Write a fraction and a decimal for the part of each grid that is shaded.



\_\_\_\_\_

\_\_\_\_\_

Write each number as a decimal.

3.  $\frac{1}{10}$  \_\_\_\_\_

4.  $\frac{4}{5}$  \_\_\_\_\_

5.  $3\frac{1}{2}$  \_\_\_\_\_

6.  $1\frac{1}{50}$  \_\_\_\_\_

7.  $\frac{11}{20}$  \_\_\_\_\_

8.  $\frac{19}{100}$  \_\_\_\_\_

Write each decimal as a fraction or mixed number, in simplest form.

9. 0.77 \_\_\_\_\_

10. 0.6 \_\_\_\_\_

11. 3.75 \_\_\_\_\_

12. 2.9 \_\_\_\_\_

13. 36.36 \_\_\_\_\_

14. 6.65 \_\_\_\_\_

Kari and Timothy made origami swans and timed each other.

Kari finished her swan in 15.04 sec. Timothy finished his swan

in 17.82 sec. Write a mixed number to show how many seconds it took each of them.

15. Kari \_\_\_\_\_

16. Timothy \_\_\_\_\_

## Test Prep

17. Which fraction has the same value as 0.15?

A.  $\frac{3}{10}$

B.  $\frac{3}{15}$

C.  $\frac{3}{20}$

D.  $\frac{3}{25}$

18. **Writing in Math** Explain how saying the decimal can help you to write the decimal as a fraction.

\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

# Decimal Place Value

P 11-2

Write each number in standard form.

1. Two and three tenths \_\_\_\_\_

2.  $200 + 8 + 0.5 + 0.06$  \_\_\_\_\_

Write the word form and tell the value of the underlined digit for each number.

3. 2.19 \_\_\_\_\_

4. 40.62 \_\_\_\_\_

5. **Number Sense** How many tenths are there in twenty hundredths? \_\_\_\_\_

To make one quarter, the cost is 4.29 cents. It costs 1.88 cents to make one dime. Write the word form for the number of cents it costs to make one of each coin.

6. quarter \_\_\_\_\_

7. dime \_\_\_\_\_

## Test Prep

8. Which is  $60 + 5 + 0.09$  in standard form?

A. Sixty-five and nine hundredths

B. 65.09

C. 65.9

D. 659

9. **Writing in Math** Explain how to write eight and nineteen hundredths in standard form.

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

# Comparing and Ordering Decimals

P 11-3

Compare. Write  $>$ ,  $<$ , or  $=$  for each  $\bigcirc$ .

1.  $0.31 \bigcirc 0.41$

2.  $1.9 \bigcirc 0.95$

3.  $0.09 \bigcirc 0.1$

4.  $2.70 \bigcirc 2.7$

5.  $0.81 \bigcirc 0.79$

6.  $2.12 \bigcirc 2.21$

Order the numbers from least to greatest.

7.  $0.37, 0.41, 0.31$

8.  $1.16, 1.61, 6.11$

9.  $7.9, 7.91, 7.09, 7.19$

10.  $1.45, 1.76, 1.47, 1.67$

Margaret has three cats. Sophie weighs 4.27 lb, Tigger weighs 6.25 lb, and Ghost weighs 4.7 lb.

11. Which cat has the greatest weight?

12. Which cat weighs the least?

## Test Prep

13. Which group of numbers is ordered from least to greatest?

A.  $0.12, 1.51, 0.65$

B.  $5.71, 5.4, 0.54$

C.  $0.4, 0.09, 0.41$

D.  $0.05, 0.51, 1.5$

14. **Writing in Math** Darrin put the numbers 7.25, 5.27, 7.52, and 5.72 in order from greatest to least. Is his work correct? Explain.  
 $7.25, 7.52, 5.72, 5.27$

Name \_\_\_\_\_

# Rounding Decimals

P 11-4

Round each number to the nearest whole number.

1. 15.2 \_\_\_\_\_      2. 0.79 \_\_\_\_\_      3. 1.50 \_\_\_\_\_      4. 6.47 \_\_\_\_\_  
5. 10.23 \_\_\_\_\_      6. 2.75 \_\_\_\_\_      7. 9.32 \_\_\_\_\_      8. 32.58 \_\_\_\_\_

Round each number to the nearest tenth.

9. 5.62 \_\_\_\_\_      10. 11.47 \_\_\_\_\_  
11. 0.73 \_\_\_\_\_      12. 1.88 \_\_\_\_\_

13. **Number Sense** What is the greatest decimal with hundredths that will round to 0.5 when rounded to the nearest tenth? \_\_\_\_\_

For each age group in the data file, round the part of the population to the nearest tenth.

14. under 18

\_\_\_\_\_

15. over 64

\_\_\_\_\_

**U.S. Population  
by Age, 2000**

Age Group	Part
Under 18	0.26
18 to 64	0.62
Over 64	0.12

## Test Prep

16. Which number below is 8.3 when rounded to the tenths place?

A. 7.35      B. 8.27      C. 8.35      D. 8.39

17. **Writing in Math** Explain how to round 1.342 to the nearest tenth.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Estimating Decimal Sums and Differences

Estimate each sum or difference.

1.  $1.45 + 0.6$  \_\_\_\_\_

2.  $8.91 + 1.16$  \_\_\_\_\_

3.  $7.09 - 5.11$  \_\_\_\_\_

4.  $6.59 - 3.84$  \_\_\_\_\_

5.  $8.54 + 9.01$  \_\_\_\_\_

6.  $6.11 - 0.15$  \_\_\_\_\_

7. 
$$\begin{array}{r} 18.05 \\ + 0.85 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 11.45 \\ - 0.9 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 8.65 \\ - 5.1 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 9.50 \\ + 6.8 \\ \hline \end{array}$$

11. **Reasoning** Cheryl had \$86.51. She bought 6 cases of fruit drink and had \$50.67 left. About how much did Cheryl pay for each case of fruit drink?

12. Jean walked 19.87 mi last week, 17.15 mi the week before, and 18.92 mi this week. About how many miles has Jean walked in the 3 weeks?

13. William drives 14.81 mi to work each day. Kathy drives 2.6 mi to work each day. About how much farther does William drive each day?

## Test Prep

14. Which is the best estimate for the sum of  $22.36 + 19.6$ ?

A. 41

B. 42

C. 43

D. 44

15. **Writing in Math** Kayla needs \$15.00 to buy a CD. She has \$8.18 in her wallet, \$3.19 in her pocket, and \$5.42 in her piggy bank. Does Kayla have enough? Explain.

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Name \_\_\_\_\_

# Adding and Subtracting Decimals

PS 11-7

**Jim's House** The school building is 4.65 mi away from Jim's house. The community library is 6.83 mi away from Jim's house. Jim's grandparents live 16.2 mi from Jim's house.

1. What is the combined distance from Jim's house to the school and the library? \_\_\_\_\_
2. What is the combined distance from Jim's house to the school and his grandparents? \_\_\_\_\_
3. What is the difference between the distance from Jim's house to his grandparents and Jim's house to the library? \_\_\_\_\_

**Olympics** The chart shows the Olympic records set in the women's 200 m footrace between 1976 and 1988.

Year	Time (sec)
1976	22.37
1980	22.26
1984	21.81
1988	21.34

What is the difference between the records set in

4. 1976 and 1988? \_\_\_\_\_
5. 1980 and 1984? \_\_\_\_\_
6. 1976 and 1984? \_\_\_\_\_
7. **Writing in Math** If you know that  $134 + 176 = 310$ , how can you quickly find  $1.34 + 1.76$ ? Explain.

---

---

Name \_\_\_\_\_

# Adding and Subtracting Decimals

P 11-7

1. 
$$\begin{array}{r} 4.52 \\ + 8.61 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 52.36 \\ + 9.74 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 7.54 \\ - 4.64 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 92.56 \\ - 13.8 \\ \hline \end{array}$$

5.  $1.54 + 5.67 =$  \_\_\_\_\_

6.  $1.56 - 0.42 =$  \_\_\_\_\_

7.  $0.64 - 0.08 =$  \_\_\_\_\_

8.  $92.22 + 64.53 =$  \_\_\_\_\_

9.  $65.12 - 37.88 =$  \_\_\_\_\_

10.  $73.12 + 77.69 =$  \_\_\_\_\_

11.  $0.54 - 0.48 =$  \_\_\_\_\_

12.  $0.61 + 0.88 =$  \_\_\_\_\_

13.  $37.8 - 18.27 =$  \_\_\_\_\_

14.  $11.94 + 7.19 =$  \_\_\_\_\_

15. There are two records for the greatest distance traveled by a model car in 24 hr. The larger scale model car traveled 305.94 mi, and the smaller scale model car traveled 213.07 mi. How many more miles did the larger car travel in 24 hr? \_\_\_\_\_

Sara and Jessica are twins. At birth, Sara weighed 5.42 lb and Jessica weighed 6.8 lb.

16. How much was their combined weight? \_\_\_\_\_

17. How much more did Jessica weigh than Sara? \_\_\_\_\_

## Test Prep

18. Which is the difference of  $8.97 - 7.8$ ?

A. 0.17

B. 0.89

C. 1.17

D. 1.89

19. **Writing in Math** Heather added  $9.42 + 6.3$ . Is her answer correct? Explain.

$$\begin{array}{r} 9.42 \\ + 6.3 \\ \hline 10.05 \end{array}$$

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Name \_\_\_\_\_

# Length and Metric Units

P 11-9

Estimate first. Then find each length to the nearest centimeter.

1. \_\_\_\_\_

2. \_\_\_\_\_

Choose the most appropriate unit to measure each. Write mm, cm, dm, m, or km.

3. width of a house

4. distance across Lake Erie

\_\_\_\_\_

\_\_\_\_\_

5. width of a thumbtack

6. thickness of a phone book

\_\_\_\_\_

\_\_\_\_\_

Find each missing number.

7. 10 mm = \_\_\_\_\_ cm

8. 10 cm = \_\_\_\_\_ dm

9. 1 m = \_\_\_\_\_ dm

10. **Number Sense** Which would you be more likely to measure in centimeters, a fish tank or a swimming pool?

\_\_\_\_\_

11. Which is longer, a 12 cm pencil or a 1 dm pen?

\_\_\_\_\_

12. Find the area of a square with sides 2 cm long.

\_\_\_\_\_

## Test Prep

13. Which is the most appropriate measure for the length of a skateboard?

A. 5 mm

B. 5 cm

C. 5 dm

D. 5 m

14. **Writing in Math** Explain how to give the measurement in centimeters of a 56 mm object.

\_\_\_\_\_

\_\_\_\_\_



Name \_\_\_\_\_

# Capacity and Metric Units

P 11-10

Choose the most appropriate unit to measure the capacity of each. Write L or mL.

1. water in a bathtub      2. perfume in a bottle      3. soup in a can

\_\_\_\_\_

4. **Number Sense** Which will be less, the number of liters or the number of milliliters, of the water in a pool? \_\_\_\_\_

5. Name something you might measure in liters.

\_\_\_\_\_

6. Name something you might measure in milliliters.

\_\_\_\_\_

7. A gallon of milk is the same as 3.78 L of milk.  
How many liters of milk are there in 2 gal? \_\_\_\_\_

8. A small can of tomato juice contains 56.8 mL of juice. A large can of tomato juice contains 202.62 mL of juice. How much juice is there in the large and small can combined? \_\_\_\_\_

## Test Prep

9. Which capacity would you be most likely to measure in milliliters?

A. Gas in a car

B. Water in a dam

C. Tea in a cup

D. Detergent in a bottle

10. **Writing in Math** Would you be more likely to measure the amount of water in your kitchen sink in liters or milliliters? Explain.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

# Mass and Metric Units

P 11-11

Choose the most appropriate unit to measure the mass of each.  
Write g or kg.

1. Banana \_\_\_\_\_      2. Tractor \_\_\_\_\_      3. Coin \_\_\_\_\_  
4. Bowling ball \_\_\_\_\_      5. Letter \_\_\_\_\_      6. Encyclopedia \_\_\_\_\_

7. **Number Sense** Which is a greater number, the mass of a cat in grams or the mass of the same cat in kilograms?

\_\_\_\_\_

8. The *Dromornis stirtoni* was the largest bird ever. It is now extinct. The ostrich is the largest living bird. What is the difference in mass between the *Dromornis stirtoni* and the ostrich?

Bird	Mass
Ostrich	156 kg
Andean condor	9 kg
Eurasian eagle owl	4.2 kg
<i>Dromornis stirtoni</i>	454 kg

\_\_\_\_\_

9. Which has a larger mass, an Andean condor or a Eurasian eagle owl?

\_\_\_\_\_

10. **Reasoning** A decigram is related to a gram in the same way a decimeter is related to a meter. How many decigrams are there in a gram? \_\_\_\_\_

## Test Prep

11. Which object would be most likely to have a mass of 2 kg?  
A. A truck      B. An orange      C. A mosquito      D. A math book
12. **Writing in Math** Would you be more likely to find the mass of a pen in grams or in kilograms? Explain.

\_\_\_\_\_

\_\_\_\_\_

# Changing Units and Comparing Measures

P 11-12

Find each missing number.

1. 4,000 mL = \_\_\_\_\_ L
2. 51 kg = \_\_\_\_\_ g
3. 7,000 dm = \_\_\_\_\_ m
4. 600 cm = \_\_\_\_\_ m

Compare. Write  $>$  or  $<$  for each  $\bigcirc$ .

5. 70 g  $\bigcirc$  7 kg
6. 890 cm  $\bigcirc$  9 dm
7. 6 L  $\bigcirc$  900 mL
8. 98 mm  $\bigcirc$  9 cm 9 mm

	Great Gray Owl	Elf Owl	Great Horned Owl
Length	84 cm	160 mm	63 cm
Wingspan	152 cm	380 mm	152 cm
Mass	1.45 kg	4 g	1,800 g

9. Write the owls in order from the least to the greatest mass.

---

10. How many centimeters long is the elf owl?

---

## Test Prep

11. How many milliliters are there in 32 L?

A. 32,000      B. 3,200      C. 320      D. 32

12. **Writing in Math** The bird with the longest beak is the Australian pelican. The pelican's beak is up to 47 cm long. Explain how to find the number of millimeters long the beak is.

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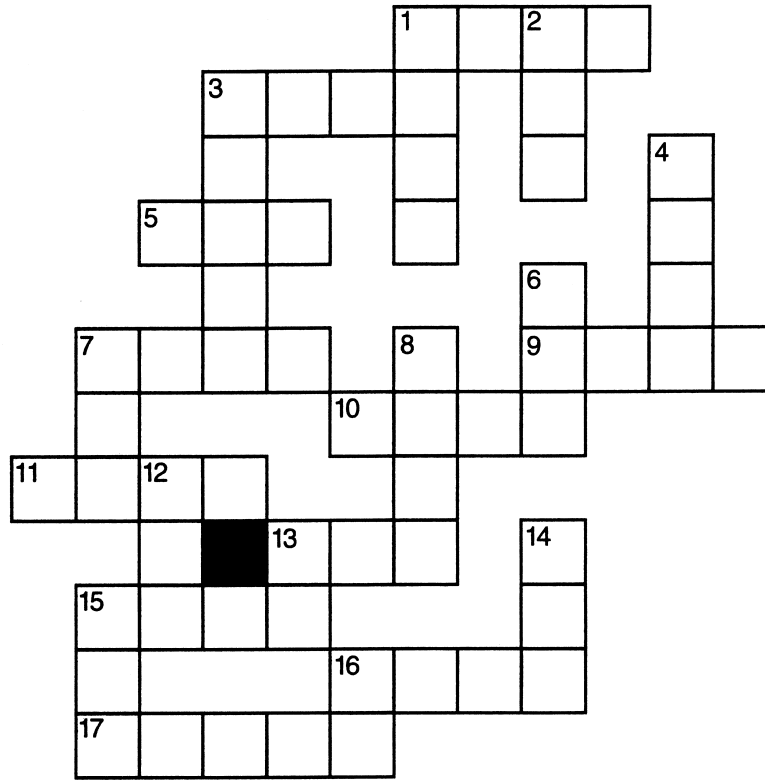
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Name \_\_\_\_\_

# Crossmath Puzzle

**E 11-12**  
**NUMBER SENSE**

Fill in each square of the crossword puzzle using metric unit numbers.



## ACROSS

1. 6 L 140 mL = \_\_\_\_ mL
3. 3 m 4 cm = \_\_\_\_ mm
5. 5 m = \_\_\_\_ cm
7. 7 kg = \_\_\_\_ g
9. 1 km 400 m = \_\_\_\_ m
10. 4 kg 20 g = \_\_\_\_ g
11. 9 L 30 mL = \_\_\_\_ mL
13. 8 m 6 dm = \_\_\_\_ cm
15. 70 m 40 cm = \_\_\_\_ cm
16. 625 cm = \_\_\_\_ mm
17. 13 L = \_\_\_\_ mL

## DOWN

1. \_\_\_\_ g = 6 kg
2. 4,000 dm 200 cm = \_\_\_\_ m
3. 30 kg = \_\_\_\_ g
4. \_\_\_\_ m = 2 km 20 m
6. 8,100 mm = \_\_\_\_ cm
7. 7 m 1 dm = \_\_\_\_ cm
8. \_\_\_\_ mL = 2 L
12. 3 m = \_\_\_\_ cm
13. 80,000 g = \_\_\_\_ kg
14. 3,100 cm = \_\_\_\_ dm
15. \_\_\_\_ cm = 7 m 1 cm
16. 60,000 mL = \_\_\_\_ L

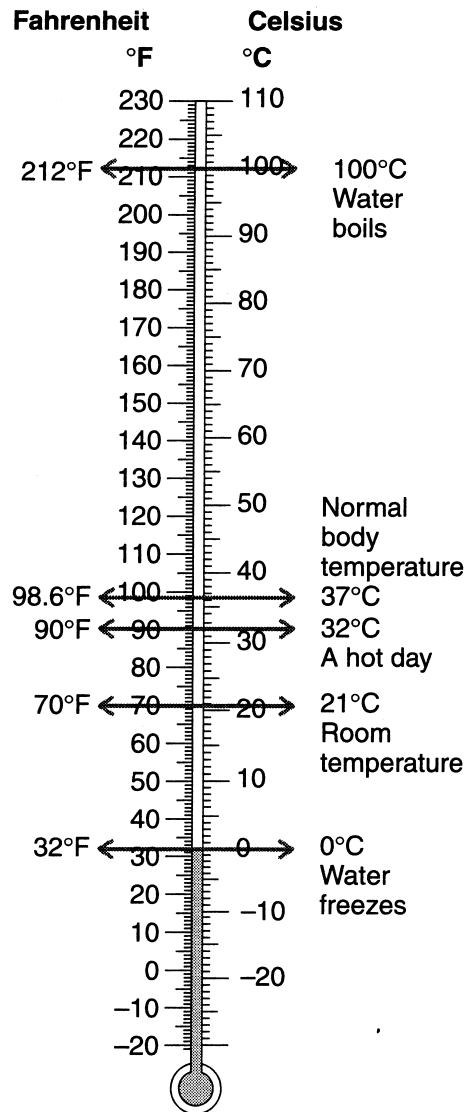
Name \_\_\_\_\_

# Weather Walk

**E 11-14**  
**REASONABLENESS**

Here is a comparison of the same temperatures in Fahrenheit and Celsius.

Begin at the box that says "summer picnic," and design a path to the box that says "winter vacation." You may move directly up, down, left, or right, but not diagonally. You may only use a box that has a reasonable temperature for the activity.



START	30°C Summer picnic	84°F Swim	10°C Play baseball	-10°C Dogsled	40°C Snow-mobile
	60°F Ski	20°F Ice skate	-5°C Snowball fight	70°F Beach volleyball	32°F Hang glide
	12°C Rake leaves	-40°F Surf	60°F Camping	25°F Scuba dive	65°C Mow the lawn
	84°C Water ski	-5°F Stay home	-10°C Snow board	60°F Ride bikes	20°C Ice fishing
	-15°F Gardening	84°F Bird watching	20°C Bird watching	20°C Golf	19°F Winter vacation
					END

Name \_\_\_\_\_

# Temperature

PS 11-14

The chart shows the temperature at different times during the day.

Time	Temperature
8:00 A.M.	42°F
Noon	61°F
4:00 P.M.	66°F
8:00 P.M.	53°F

1. How much did the temperature rise between 8:00 A.M. and noon?

\_\_\_\_\_

2. How much did the temperature rise between 8:00 A.M. and 4:00 P.M.?

\_\_\_\_\_

3. How much did the temperature rise between noon and 4:00 P.M.?

\_\_\_\_\_

4. How much did the temperature fall between 4:00 P.M. and 8:00 P.M.?

\_\_\_\_\_

5. How much did the temperature fall between noon and 8:00 P.M.?

\_\_\_\_\_

6. What was the temperature difference between 8:00 A.M. and 8:00 P.M.?

\_\_\_\_\_

7. **Writing in Math** Amanda said that it is so hot out it must be above 35°C. Does this make sense? Explain.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Chapter 11RW****Multiple Choice**

*Identify the choice that best completes the statement or answers the question.*

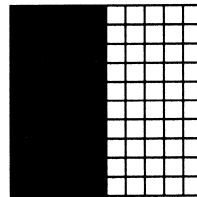
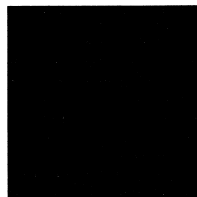
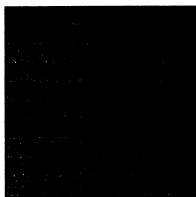
- \_\_\_\_\_ 1. What is 0.52 written as a fraction in simplest form?  
a.  $\frac{52}{25}$                       b.  $\frac{13}{25}$                       c.  $\frac{52}{100}$                       d.  $\frac{13}{100}$
- \_\_\_\_\_ 2. A freight train has 100 cars and 39 of the cars are grey cars. Write a fraction and a decimal to show what part of the train is made up of grey cars.  
a.  $\frac{39}{10}$ , 3.9                      b.  $\frac{39}{100}$ , 0.39                      c.  $\frac{39}{100}$ , 0.039                      d.  $\frac{39}{1,000}$ , 0.039
- \_\_\_\_\_ 3. Honolulu, HI, has 7.1 inches of precipitation a year. What is this decimal as a mixed number in simplest form?  
a.  $7\frac{1}{10}$                       b.  $7\frac{3}{10}$                       c.  $8\frac{1}{10}$                       d.  $8\frac{3}{10}$
- \_\_\_\_\_ 4. What is  $6 + 0.7 + 0.06$  in standard form?  
a. 6.067                      b. 6.076                      c. 6.67                      d. 6.76
- \_\_\_\_\_ 5. A meteorologist reported that 1.6 inches of snow fell today. What is the value of the underlined digit in 1.6?  
a. six tens    c. six tenths  
b. six ones    d. six hundredths
- \_\_\_\_\_ 6. A cheetah can run 70 miles per hour while a three-toed sloth only moves about 0.15 miles per hour. What is 0.15 in word form?  
a. fifteen hundred  
b. fifteen tens  
c. fifteen tenths  
d. fifteen hundredths

7. The table shows some of the smallest countries in the world. Which country is smaller than Nauru?

## SMALLEST COUNTRIES (IN SQUARE MILES)

Country	Square Miles
Monaco	0.75
Nauru	8.11
Tuvalu	10.0
San Marino	23.6
Liechtenstein	62.0
Malta	122.0

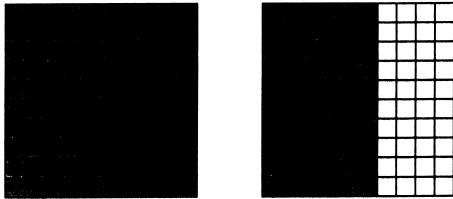
- a. Tuvalu                                      c. Monaco  
b. Malta                                         d. Liechtenstein
8. Round 51.41 to the nearest whole number.  
a. 50                                      b. 51                                      c. 51.5                                      d. 52
9. The life expectancy of people living in Andorra is 83.5 years while those living in Mozambique only have a life expectancy of 35.5 years. Round each of these to the nearest whole number.  
a. 84; 36                                      b. 84; 35                                      c. 83; 36                                      d. 83; 35
10. Add. Use the grids to help.  
 $1.39 + 1.11$



- a. 0.28                      b. 2.11                      c. 2.4                      d. 2.5



- \_\_\_\_ 11. Subtract. Use the grids to help.  
 $1.6 - 0.34$



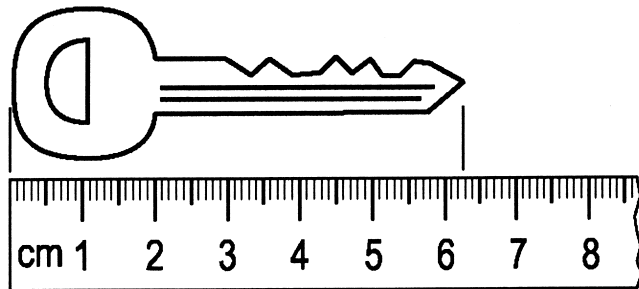
- a. 1.16                      b. 1.26                      c. 1.34                      d. 1.94
- \_\_\_\_ 12. Find the difference.  
 $31.91 - 4.7$
- a. 27.21                      b. 28.21                      c. 31.44                      d. 314.4
- \_\_\_\_ 13. At the Drama Club meeting each person shook hands with each of the other people. If 9 people were present, how many handshakes were there in all?
- a. 17 handshakes                      c. 36 handshakes  
 b. 18 handshakes                      d. 81 handshakes
- \_\_\_\_ 14. Beginning in 1863, the cost to mail a letter was based solely on weight. The table shows some rates from the past. How much more did it cost to mail a 4 ounce letter in February, 1991 than it did in January, 1968?

#### **COST TO MAIL A LETTER**

<b>Date</b>	<b>First Ounce</b>	<b>Each Additional Ounce</b>
July 1, 1885	2 cents	2 cents
January 7, 1968	6 cents	6 cents
September 14, 1975	10 cents	9 cents
March 22, 1981	18 cents	17 cents
February 3, 1991	29 cents	23 cents

- a. 68 cents  
 b. 74 cents  
 c. 98 cents  
 d. 122 cents
- \_\_\_\_ 15. Which is the most appropriate unit to measure the length of a soccer field?
- a. centimeter                      b. meter                      c. millimeter                      d. kilometer
- \_\_\_\_ 16. Find the missing number:  $1 \text{ m} = \underline{\hspace{1cm}} \text{ cm}$ .
- a. 100                      b. 1,000                      c. 10                      d. 1

- \_\_\_\_\_ 17. What is the length of this key to the nearest centimeter?



- a. 4 centimeters                      c. 6 centimeters  
b. 5 centimeters                      d. 7 centimeters
- \_\_\_\_\_ 18. Which is the most reasonable estimate for the height of Petronas Tower in Kuala Lumpur, Malaysia, one of the tallest buildings in the world?  
a. 452 cm              b. 452 dm              c. 452 m              d. 452 km
- \_\_\_\_\_ 19. Which is the most appropriate unit to measure the capacity of a car's gasoline tank?  
a. liters              b. centimeters              c. milliliters              d. meters
- \_\_\_\_\_ 20. Which is the most appropriate unit to measure the capacity of a medicine dropper?  
a. centimeters              b. liters              c. meters              d. milliliters
- \_\_\_\_\_ 21. Which number would be greater, the number of milliliters of juice in a glass, the number of liters of juice in the same glass, the number of liters of juice in a bottle, or the number of milliliters of juice in the same bottle?  
a. liters in a glass                      c. milliliters in a glass  
b. milliliters in a bottle                      d. liters in a bottle
- \_\_\_\_\_ 22. All plants and animals, including people, need water to live and grow. Which is the most appropriate unit to measure the amount of water an elephant drinks in one day?  
a. meter              b. liter              c. centimeter              d. milliliter
- \_\_\_\_\_ 23. A gem, such as a sapphire, is measured in carats. A carat is 0.2 gram. Which of the following is the most reasonable mass of a sapphire?  
a. 0.16 gram                      c. 0.16 kilogram  
b. 1.6 grams                      d. 1.6 kilograms
- \_\_\_\_\_ 24. Which measure is greater than 3 L 800 mL?  
a. 4,000 mL              b. 3 L              c. 3.8 L              d. 4 mL



- \_\_\_\_\_ 27. Human blood is grouped into four types: A, B, AB, and O. The table shows about how many out of 100 people have each type.

**BLOOD TYPES**

Type	Number of People (out of 100)
A	40
B	12
AB	5
O	43

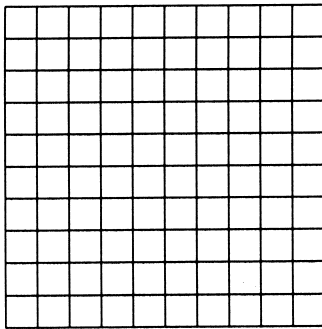
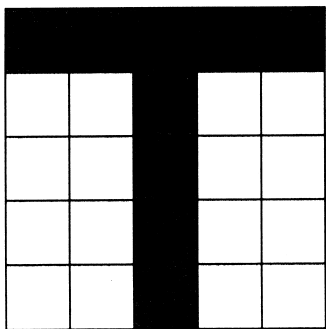
Based on the table above, predict how many people out of 500 will have type B blood and complete the statement.

About \_\_\_\_\_?\_\_\_\_\_ people out of 100 people have type B blood. 500 is 5 times 100, so about \_\_\_\_\_?\_\_\_\_\_ out of 500 people will have type B blood.

- a. 12; 12 people
  - b. 12;  $5 \times 12$  or 60 people
  - c. 22;  $5 \times 22$  or 110 people
  - d. 12;  $5 \times 120$  or 600 people
- \_\_\_\_\_ 28. Which is a reasonable average monthly temperature for Anchorage, Alaska in January?
- a.  $-37^{\circ}\text{C}$
  - b.  $13^{\circ}\text{F}$
  - c.  $13^{\circ}\text{C}$
  - d.  $113^{\circ}\text{F}$
- \_\_\_\_\_ 29. Which is a temperature, in  $^{\circ}\text{C}$ , that is colder than  $-2^{\circ}\text{C}$ ?
- a.  $-1^{\circ}\text{C}$
  - b.  $0^{\circ}\text{C}$
  - c.  $2^{\circ}\text{C}$
  - d.  $-6^{\circ}\text{C}$
- \_\_\_\_\_ 30. Which is an activity that is appropriate when the temperature outside is  $14^{\circ}\text{F}$ ?
- a. water skiing
  - b. swimming
  - c. snow skiing
  - d. going on a picnic

## Other

31. The shaded “T” below covers  $\frac{9}{25}$  of the grid. Shade a matching “T” on the grid at the right.



How many hundredths are shaded? Write this amount as a fraction and as a decimal.

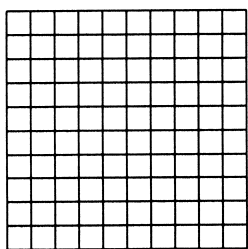
**Fraction** \_\_\_\_\_ **Decimal** \_\_\_\_\_

On the lines below, explain why  $\frac{9}{25}$  is equivalent to the decimal you wrote.

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32. Roxy painted 0.4 of a square patio in the morning. Then she painted 0.42 of the patio in the afternoon. Shade and label the grid to show the amounts that Roxy painted.



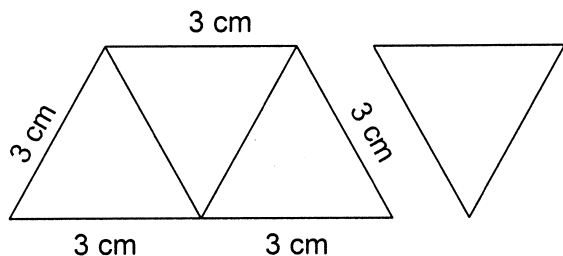
How much of the patio has been painted?

$$0.4 + 0.42 = \underline{\hspace{2cm}}$$

Name: \_\_\_\_\_

ID: A

33. **Perimeter Pattern** The figure below shows three triangles in a row and one more to connect next. What happens to the perimeter as you add more triangles? Complete the table and look for the pattern.



Triangles	Perimeter
1	9 cm
2	
3	
4	

Explain how the perimeter changes as the number of triangles increases.

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